

	D9 DC	EN	AEK AFK	PGK	PGQ	DGV	EGD	EGV	DGI	NGD	DPN	DSN	DDD	מממ	EEH	DPE	NGL	HDS	TPS	EDY	DDK	SPS	KGC	AEK	RGV	RGE	RGO	DGE	LEMSKESEPESDESSDDDSD	PMR	SGE	PGM	NSIKNRGAIFPIEGSRVHLTPKP			
	RNRYRDVSPFDHSRIKLHOE	SPYDHSRV LONA	K <i>NKY</i> INIVAYDHSKVKLAQL K <i>N</i> RYINIVAYDHSRVK <i>L</i> AOL	KNRYINILAYDHSRVKLRPL	KNRYLNITAYDHSRVH <i>L</i> HPT	KNRYANVIAYDHSRVILTSI	KNRYGNIIAYDHSRVRLOTI	KNRYVNILPYDHSRVHLTPV	KNRYPNILPNDHSRVILSQL	KNRYVDILPYDYNRVE <i>LS</i> EI	KNRYKNILPFDHTRVVLHDG	<b>K</b> nr <b>y</b> kn <b>i</b> lpfdh <b>s</b> rvi <i>l</i> ogr	<b>K</b> <i>N</i> R <b>Y</b> NNILPYDATRVK <i>L</i> SNV	<b>K</b> <i>NR</i> <b>F</b> TN <b>I</b> LPYDH <b>S</b> <i>R</i> FK <i>L</i> QPV	KNRYRNVLPYDWSRVPLKPI	KNRYKTILPNPHSRVRLTSP	KNRYPDIKAYDQTRVKLAVI	KNRYGDVPCLDQTRVKLTKR	KNRYKDILPFDHSRVKLTLK	KNRYKDVLPYDTTRVLLQGN	KNRYTNILPVNHTRVQLKKI	KNRYIDIVPYNCIRVHLKRT	KNRYTDIVPYDKTRVRLAVP	KNRYINIVAYDHSRVKLAQL	KNRLVN <b>IM</b> PYELTRVC <b>L</b> QPI	KNRVLQIIPYEFNRVIIPVK	KARVIQIIPYDFNRVILSMK	KNRCMDILPPDRCLPFLITI	-	KNRSQEIIPYDRNRVILTPL	KNRTSSIIPVERSRVGISSL	KNRNSS <b>VV</b> PSERARVGLAPL	EOOYKNIIOFOPKDIHIASAMKOVNSIKNRGA	CCRUTAVRAD	09 00	
Ċ	RNRYRDVS	RNRYRDVSPYDHSRV	KNRYINIV	KNRYINIL	KNRYLNIT	KNRYANVI	KNRYGNI	KNRYVNIL	KNRYPNIL	KNRYVDIL	KNRYKNIL	KNRYKNIL	KNRYNNIL	KNRFTNIL	KNRYRNVL	KNRYKTIL	KNRYPDIK	KNRYGDVP	KNRYKDIL	KNRYKDVL	KNRYTNIL	KNRYTDIV	KNRYTDIV	KNRYINIV	KNRLVNIN	KNRVLQII	KARVIQII	KNRCMDIL	KNRNSNVV	KNRSOEII	KNRTSSII		K	LINKTRUIO	S	
( r	DFPCRVAKLPKNKN	DYPHRVAKFPENRN	GITADSSNHPDNKH GITADSSNHPDNKH	NITAEHSNHPENKH	DLPCEHSOHPENKR	OFTWENSNLEVNKP	SAPWDSAKKDENRM	QATCEAASKEENKE	OGT FELANKEENRE	KFPIKDARKPHNON	LYSRKEGOROENKN	LHORLEGORPENKG	NOSCDIALLPENRG	DOPCTFADLPCNRP	SQSQMVASASENNA	FVDPKEYDIPGLVR	DRTTKNSDLKENAC	VGTFHCSMSPGNLE	IYPTATGEKEENVK							-			-		QSDYSA	VECFSAQKECNY	ETNLMAEOVEE	DO WOLL IN THE	30 40	
	Hum_PTP13	Hum_TCPTP	Hum_PTP_zela_D1	Hum_PTP_gamma_D	Dros_PTP99A_D1	Hum_LCA_D1	Hum FTF mu D1	Hum FIF alpha Di	Hum_FIF_opsilon_U	Mouso_CD45_D1	Hum SH. PTP2	Hum_SH. P.I.P.I	Hum_P'I'P_bola	Dros_PTP10D	Hum_SAP.1	Ral_PTP_STEP	Dros_PTP69A_D1	Hum_MEG2	Hum_PTP.PEST	Hum_PTPH1	Dici_PTP1	Fiss_yeast_pyp1	Fiss_yeast_pyp2	Hum_PTP_xi_D2	Hum_LCA_D2	Hum_FTF_alpha_D2	Hum_PTP_opsilon_D2	Hum_PTP_mu_D2	Mouse_CD45_D2	Dros_PTP69A_D2	Hum_PTP_zeia_D2	Hum_PTP_gamma_D2	Dros_PTP99A_D2		그 그	, , , , , , , , , , , , , , , , , , ,

PTP1B66

\$₹\$\$\$\$\$ 81

0 2 2		HNVEV <b>IVM</b> ITNLV HNVEV <b>IVM</b> ITNLV	ONTGILVALITNLV	OKVAL <b>IVM</b> ITINLV ORTAT <b>VAN</b> MMETE	ENTAS I INVINIO	QNTATIVMVTNLK	QKSAT <b>IVM</b> LTNLK	QKATVIVMVTRCE	ENSRU <b>IVM</b> TTRFV	QNVHNIVMVTQCV	SNSRAIVMLTRCF	COCHILOMITACIONE DE PERMITE	OHLEI IVILTNLE	<b>ÕKVLVIVM</b> TTRFE	ITVMACREF	OKLISLIVMLTTLT	LIVALGSLF	VIVALINLY	HINVEVI VMITINLV	HNSTIIVMLTKLR	WKSCSIVMLTELE	WASHI'L VALIEVO	REVENT UNIT THE LAY	OSVITLIMISEIG	HNAQLVWIPDGO	HNAQII VML PDNQ	HNAOTVVLLSSLD	110	
110 120								AQ.	NE NE NE					_			FWHMVWDNVENIG	FWEMVWHNSGTNG	FWRMIWE HNVE									101	,
100	KMEEAQRSYILTGGPLPNTCGH <i>FWEMVW</i> E DIEEAQRSYILTGGPLPNTCCH <i>FW</i> IMVWQ	RPKAYIAAGGPLKSTAEDFWRMIWE RPKAYIAAGGPLKSTAEDFWRMIWE	KAKAYIATGGPLKSTFED FWRMIWE	KCHAFIGIQGFLFUIFUCFWKMIWE KONAYTATGOI DETWGD FWRMEN	RPNHYIATGEMOETIYDFWRMVWH	EKNK <b>fi</b> aaq <b>g</b> pkee <b>t</b> vnd <i>fw</i> rmiwe	EKNKFIAAGGPKQETVND <i>FW</i> RMVWE	EPRKYLAAGGPRDETVDD <i>FW</i> RMIWE V DVVSVIAMECOLOMBANDERDEN	r frasitaiqecluriundfwmmvf naktylasgecleatvnd <i>f</i> wdmawo	FRREYIVIGGPLPGTKDDFWKMVWE	SPREFIVIGGPLHSTRDD FWRMCWE SPORETAR ACTI PORTION FRATIUM	SPICE THIQE HE VALUE WALLOW BENEVAL BENEVAL	ERKKFICAGEMESTIDD FWRMIWE	OKNA <b>YI</b> GTQGPLEN <b>T</b> YRD <i>FW</i> LMVWE	GPKAYVATGGPLANTVID FWRMVWE	LVNKILATQGFLFHICAQ£WQVVWD DKOBTCHAGDT.DNTTAD.FWDMMF	KTETSNYIACGGSISRSISD <i>FW</i> HMVWDNVENIGTIVMLGSLF	DVGNKKYTACAAPKPGTLLDFWEMVWHNSGTNGVIVMLTNLY	RPKAY IAAGGPLKSTAEDFWRMIWE	QOKA <b>Y</b> IATGGPLAESTEDFWRMLWE	OKDS <b>Y</b> IASQG <i>P</i> LLHT IE <i>DFW</i> RMIWE	ONDIFIELD GOFFINE VEDEWRINE OPSINE THE TAIL OF THE PROPERTY OF	KPEMMIAAGGPLKRIIGDFWOMIFO	NSETFIIA DPFENTIGD FWRMISE	OSNEFIIT OH PLIHTIK DFWRMIWD	RSNE <b>F</b> IITQH <i>P</i> LPHTTK <i>DFW</i> RMIWD	RIRDFIVICH PMAHTIK DEWOMYWD NEBETAC SYDIOSOI ESHEBMT AE	96 80 80	
06 08	田田田			DGVR KONZ				Tyinasyi Dutmahiimpepemeennse de	GPDE N	PGNN	PGHN SPRE	()	IGYK ERKY			DCAY DKO	KTETSN	DVGNKK	DGYN RPK		DGYR OKDS				MGYY OSNE		HGFR RLRI	OT NI	
70			DSKHSDyINANYV	PGS DVINANYI	TNS DYINGNYI	PDS DYINASFI	PCS DYINASYI	AGS TYINASYI FDV SDVINANTIN	IPG SDYINANYIKNOLL	PCS DYINASYI	EGS DYINANYV	DPL SSVINANYI	OTT DYINANFV	TOT DYINASFM	ODS DYINANFI	EGS DVINALI	EL DYINASFI	S DYINASHI	DGKLTDy I NANYV	EGS DYINASFL	ENT DYVNASFI	SS NVTNAATM	SEETSKVINASFV	ENS TYINASFI			GEDGSDVINASWI	7.0	10
	PTP1B ICPTP						_		Hum_SH. PTP1												5	į					os_PTP99A_D2	Bseq.	PTP1B66 Dig 1

EXPRESS MAIL #EL755732358US Title: IMPROVED ASSAY FOR PROTEIN TYROSINE PHOSPHATASES Inventor(s): Andrew J. Flint et al. Serial No. 09/788,626 Docket No. 200125.401 ATODDYVLEV SQKGRPSGRVV KKOCNTEKLV KSGSSEKREL KRGVHEIREI DMTNRKPORLI PDGCKAPRLV KKEKATGREV VGQGNTERTV LDNGDLIREI **EEQLDAHRLI** RGSEORIL QVEEQKTLSV RGTEERGL VGEEEDRROI NTEEROKROV FONESRRI NTOTGEEHTV LTFEGETRDI NANFPSVKKV DKPNGPPKYI SOKGRPSGRVV DARDGOSRTI NTRENKSROI ARQEEQVRVV **ARPODGYRMV** HSKRKEPRTV NCKIDDTLKV ATODDYVLEV SIODDYELTV REAGOKTISV NINSGETRII SOKGRPSGRVV IIVTLKSTKIHACYTVFSIRNTKVKKGQKGNPKGRONERVV 190 FLVTQKSVQVLAYYTVFTLRNTKIKKG FLVTQKSVQVLAYYTVFTLRNTKIKKG FLVTQKSVQVLAYYTVFTLRNTKIKKG IQVKLIEEEVMSTYTVLQIKHLKLKK ILVKFÄQERKTGDY I ELNVSKNKAN RYWPEQIGGEQFSIYGNGNEVFGTYSVELVEVIQCREIITRNIR ITIEIKNDTLSEAISIFLVTLNQPQ IRVSVEDVTVLVDYTVFCIQQVG IRVCVEDCVVLVDYTIFCIOPOL I QVEFVSADLEEDII SFRIYNA YGSITVESKMTOOVGLGDGINMYTLT IVVTINDHKRCPDYIILNVAH MRVRNVKESAAHDYTLLKLSK YSVTNCGEHDTTEYKLLQVSP LILOMLSESVLPEWTIFKICG RISVOKYETFEDLKVHLFRL IKVQILNDSHYADWVMFMLC LRVILVGEEVMENWTVLLLL VEITVOKVIHTEDYRLISLR YWPNKDEPINCESFKVTLMAEEHKCLSNEEKLIIFILE YWPSREESMNCEAFTVTLISKDRLCLSNEEQIIIFILE IQVTLLDTVELATYTVFALH IKVTLIETELLAEYVIFAVE LTVTNLGVENMNHYKKLEIH FKISCEDEOARTDYFILLLE QVYGDYCVKQISEENVDNSRFILFELQ MEVEMKDTNRASAYTLFELR ILVKYVHSESCPYYTFFYVT RVKFLNKTNKSDYVSFVIO I FED TNLKLTLI SEDI KSYYTVLELE JEKETGFSVKLLSEDVKSYYTVLQLE FHIQCOSEDCTIAYVSMLVT I TVELKKEEECESYTVLLVT FVVDPMAEYNMPQYILFKVI β7 QFGD RFGF TFAP RHGP RYQY SYGD TCGL AFKD AYGP FYGD EYGN THGE YDH EYGN EYGN TYGV IYKD TYGN TYGN EYGV YYGD THGH VHDG NHGG TYGD EYGN EGG OFWPDEATPIESDHY EEQV GEGKQ AYWPSNGIGDK ADGSE ADGSE ADGSE TENSE KDGVE DDTE DOGCW DODSL DSQPC OYWPD PPDVM AERSA SDGILV TEGSV ENGVH DDEVÕ DDQEM ARGTE DOGCW E YWPSMEEGTR VGMQR DTVPV KYWPEKVFDTK QYWPLEKDSRI RYWPLYGEDPI **QYWPQKEEKEM** EYALK OYWPDNKDHAI OSCI YWPT HYWPL K YWPD QYWPN OYWPP PYWPE H YWPA QYWP OYWP O YWP EYWPQYWP OY WP QYWP OYWP **GMAC** KYWP QYWP OYWP RYMA MYWPEIANORFGMPD YFR OYW FKESVKCA EKGRRKCD ERGRRKCD EVGRVKCC EGNRNKCA EYNKAKCA EGGRRKCG EMGRKKCE ERGRIKCH ENCRIKCD NGDOEVCA D GPRKCP EKGRRKCD EKGRRKCD EKSRVKCD ERKECKCA ERKEEKCH ERGKSKCV EKGRVKCD EKGREKCD EAGRVKCE EMN EKCT EAGREMCT EKGRRKCD EMGREKCH ERGOEKCA OLCP INFA EKGRNKCV EAGSEKCS EREODKCY NMAEDEFV SLAEDEFVHum\_PTP\_opsilon\_D2 Hum\_PTP\_mu\_D2 Mouse\_CD45\_D2 Dros\_PTP69A\_D2 Hum\_PTP\_alpha\_D1 Hum\_PTP\_opsilon\_D Mouso\_CD45\_D1 Hum\_SH.PTP2 Hum\_PTP\_alpha\_D2 Hum\_PTP\_gamma\_D2 Dros\_PTP99A\_D2 Hum\_PTP\_xi\_D1 Hum\_PTP\_zela\_D1 Hum\_PTP\_bola Dros\_PTP10D Hum\_SAP.1 Ral\_PTP\_STEP Dros\_PTP69A\_D1 Fiss\_yeast\_pyp2 Hum\_PTP\_xi\_D2 Hum\_LCA\_D2 Fiss\_yeast\_pyp1 Hum PTP\_zeia\_D2 Hum\_PTP\_gamma\_ Dros\_PTP99A\_D1 Hum\_PTP\_mu\_D1 Yarsinia\_PTP Hum\_PTP.PEST Hum\_SH.PTP1 Hum\_LCA\_D1 Hum\_TCPTP Hum\_PTPH1 Dici\_PTP1 Hum\_MEG2

	010	020	260 240
Hum_PTP1B		PASFLINFLFKVRES GS	PVVVHCSAGIGRSG
TCPTP	SHFHYTTWPDF		PAVIHCSAGIGRS
_PTP_xi_D1	TOYHYTOWPDM	VPEYSLPVLTFVRKAAYA KRH	
	TOYHYTOWPDM	VPEYSLPVLTEVRKAAYA KRH	
Hum_PTP_gamma_D	IQYHYTQwPDM	VPEYALPVLTFVRRSSAA RMP	
Dros_PTP99A_D1	YQYHYTINWPDH	TPDHPLPVLNFVKKSSAA	
Hum_LCA_D1	ROFOFMAWPDH	NPL	PMVVHCSAgVGRTGCF
Hum_PTP_mu_D1	ROFHFTGWPDH	VPYHATGLLGFVRQVKSK SPP	
Hum_PTP_alpha_D1	TOFHFTSWPDF	VPFTPIGMLKFLKKVKAC NPQ	
Hum_PTP_opsilon_D	SQLHFTSWPDF	VPFTPIGMLKFLKKVKTL NPV	
Mouso_CD45_D1		<b>VPEDPHLLLKLRRRVNAF</b>	PIVVHCSAgVGRTÇTY
Hum_SH.PTP2	WOYHFRTWPDH	VPSDPGGVLDFLEEVHHK	
Hum_SH.PTP1	WHYQYLSWPDH	VPSEPGGVLSFLDQINQR	PIIVHCSAGIGRTGTI
Hum_PTP_bola	RHFHYTVWPDH	VPETTQSLIQFVRTVRDY INRSF	PTVVHCSAgVGRTGTF
Dros_PTP10D			
Hum_SAP.1	ROFHYQAWPDH	G VPSSPDTLLAFWRMLRQW LDQTMEGG	
Ral_PTP_STEP	KHYWFTSwPDQ	TPDRAPPLLHLVREVEEAAQQEGPH	
Dros_PTP69A_D1	TOYHYLTWKDF	APEHPHGIIKFIRQINSVYSLQ	PILVHCSAGVGRTGTLV
Hum_MEG2	THFQFLSwPDY	VPSSAASLIDFLRVVRNQQSLAV	SNMGARSKGQCPEPPIVVHCSAgIGRTGTFC
Hum_PTP.PEST	YQFHYVNWPDH		PICIHCSAGCGRIGAIC
Hum_PTPH1	THLQYVAWPDH	IPDDSSDFLEFVNYVRSLRVDSE	PVLVHCSAGIGRTGVLV
PTP1	TQYQYEGWPDH	N IPDHTQPFRQLLHSITNRQNQIIPSSD	RINV
Fiss_yeast_pyp1	HHYQYPNWSDC	-	NTIVHCSAGVGRIGIFI
_yeast_pyp2	HHFWVHTWFD	K THPDIESITGLIRCIDKVPNDG	PMFVHCSAgVGRTGTF1
PTP_xi_D2	TOYHYTQWPDM	PEYSLPVLTFVRKAAYA	
LCA_D2	RQFQFTDWPEQ	PKTGEGFID <b>FI</b> GQVHKT KEQF	
PTP_alpha_D2	RQFHFHGwPEV	PSDGKGMISIIAAVQKQ	
PTP_opsilon_D2	ROFHFHGWPEI	G IPAEGKGMIDLIAAVQKQ QQQ TGNH	
TP_mu_D2	QQFQFLGwPMYR	D TPVSKRSFLKLIRQVDKWQEEYNGGEG	
e_CD45_D2	YQYQCTTWKGE	E LPAEPKDLVSMIQDLKQKLPKASPEGMK	KYH K
s_PTP69A_D2	TQFQYNGWPTVE	GEVPEVCRGIIEL <b>V</b> DQAYNHYKNNKNSGC	
PTP_zeia_D2	RHFQCPKwPN P	DSPISKTFE <b>LI</b> SVIKEEAANR	
PTP_gamma_D2	RHFQCPKwPN	PDAPISSTFELINVIKEEALTR DG	
PTP99A_D2	KMLHCPSwPEM	SNPNSIYDFIVDVHERCNDY RNG	
Yarsinia_PTP	PVVHVGNWPDOT	PVVHVGNwPDOTAVSSEVTKALASLVDOTAETKRNMYESKGSSAVADDSKI	
${ m TP1}$	180	190 200	210 220
PTP1B66			. 10
	1 3	27.7 今へのかで个合合合	
	89	a3	β10 ►►►

1
Ţ
, Sec. 1
201
37
W.

11 OTAD OLRF SYLAVIEGAKFINGD LICTAD OLRF SYLAVIEGAKFINGD LICTAD OLRF SYNAIIEGAKFINGD LICTAD OLRF SYNAIIEGAKFINGD LIV OTEE OYVFIHDT LVEALLE SKETEV LV OTEE OYVFIHDALLEALLE AATCGHTEV LV OTEE OY FILHDALLEALLE AATCGHTEV LV OTEE OY FILHDALLE ALLE AATCGHTEV MV OTEE OYVFIHDALLE SYLYGDTEL MV OTEE OYVFIHOALLE SYLYGDTEL MV OTEE OYVFIHOAL SYLYGDTEL MV OTEE OYVFIHOANSLY MV OTEE OYFFIHOAL SYLYGE MV OTE OYFFIHOAL SYLYGE MV OTEE OYFFIHOAL SYLYGE MV O	\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
KDPSSVDI KKVLLEMRKFRMG LICG DD INI KQVLLINMRKYRMG LICG GT VNI FGFLKHIRSQRNY LVO GT VNI FGFLKHIRSQRNY LVO KT VNI FGFLKHIRTQRNY LVO KT VNI FGFLKHIRAQRNF LVO KT VND YGHVTCMRSQRNY MVO GV VND YGFVSRIRAQRCO MVO GK VND YGFVSRIRAQRCO MVO GK VND YGFVSRIRAQRCO MVO GK VND YGFVSRIRAQRCO MVO GK VND YGFVSRIRAQRCO MVO GLDCDIDI QKTIQMVRSQRSG MVO DY VND YGTVVKLRRQRG MVO CL LGP FSFVRKMRESRPL MVO GL LGP FSFVRKMRESRPL MVO GL LGP FSFVRKMRESRPL MVO GT LNN FQTVSRMRTQRNF SIO KIPEFNV FNLIQEMRTQRNF SIO KIPEFNV FNLIQEMRTQRNF MVO GT LNY FOTVSRMRTQRNF MVO GT LNY FOTVSRMRTQRNF MVO GT LNY FOTVSRMRTQRNF MVO GT LNY FOTVSRMRTQRNF MVO GT VNI FGFLKHIRSQRNK MVO GT VNI FGFLKHIRSQRNY LVO GT VNI FGFLKHIRSGRNY LVO GT VNI FGFLKHIRSGRNY LVO GT VNI FGFLKHIRSGRNY LVO GT VNI FGFLKHIRSGRNY LVO GT VNI FGFLKH	
LADTCLLLMDKR LVDTCLVLMEKG VLDSMLQQIQHE VLDSMLQQIQHE VLDSMLQQIKDK VLDSMLQQIKDK VLDAMLERMKHE VIDAMLERMKHE VIDAMLERMKHE VIDAMLERMKHE VIDAMLEGLEAE VIDAMLEGLEAE VIDAMLEGLEAE VIDAMLEGLEEE SIDAMLEGLEAE VIDAMLEGLEAE SIDAMLEGLEEE ALDRILQQINTS ALDRILQQINTS ALDRILQQICEEE SLDTCLAQLEEE ALDSLIQQIEEE SLDTCLAQLEEE ALDSLIQQIEEE ALDSLIQQIEEE ALDSLIQQIEEE ALDSLIQQIQHE TAVIMMKKLDHYFKQLI VLDTILRFPESKLSGFP AVDOILQVPKNILPK AVDOILQVPKNILPK ALSTVLERNRYE ALSTVLERNRYE ALSTVLERNRYE ALSTVLERNRYE ALSTVLERNRYE ALTTLNQHLRIE ALTTLNDSRNSQ	Fig. 1E sorrororororo
Hum_PTP1B Hum_PTP_zela_D1 Hum_PTP_gamma_D Dros_PTP99A_D1 Hum_PTP_gamma_D Dros_PTP99A_D1 Hum_PTP_alpha_D1 Hum_PTP_alpha_D1 Hum_PTP_alpha_D1 Hum_SH.PTP2 Hum_SH.PTP1 Hum_SH.PTP1 Dros_PTP10D Hum_SH.PTP1 Hum_SH.PTP1 Dros_PTP69A_D1 Hum_PTP.PEST Hum_PTP1 Dici_PTP1 Dici_PTP1 Dici_PTP1 Fiss_Yeast_Dyp2 Hum_PTP_alpha_D2 Hum_PTP_gamma_D2 Dros_PTP99A_D2 Yarsinia_PTP Yarsinia_PTP Yarsinia_PTP Yarsinia_PTP PTP_BSEQ.no.	PTP1B66 Fig. 1E

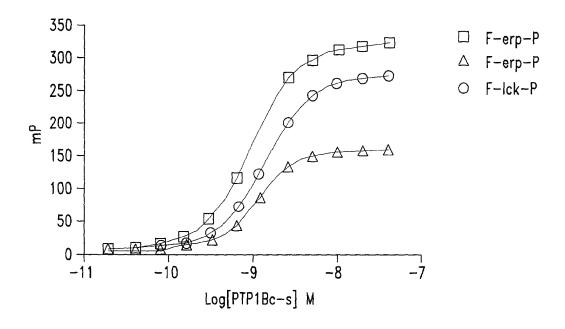


Fig. 2

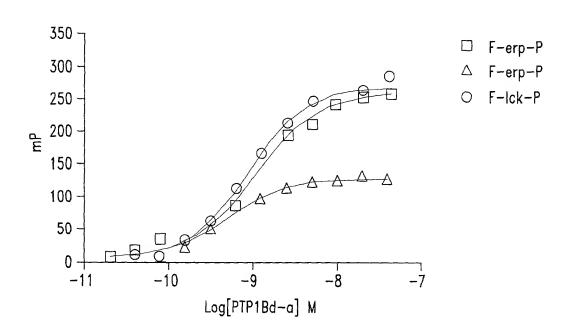


Fig. 3

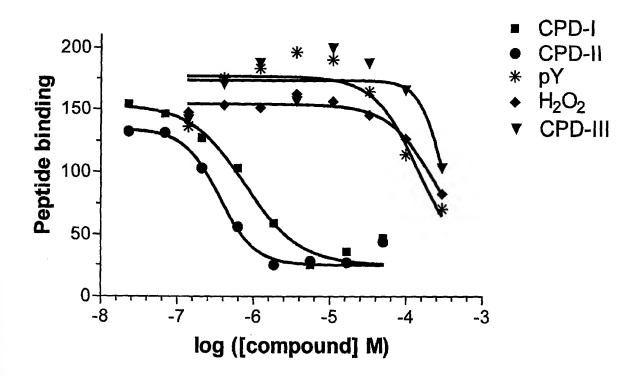
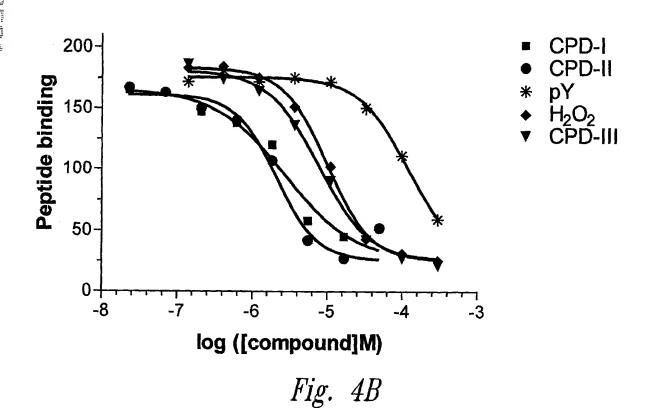


Fig. 4A





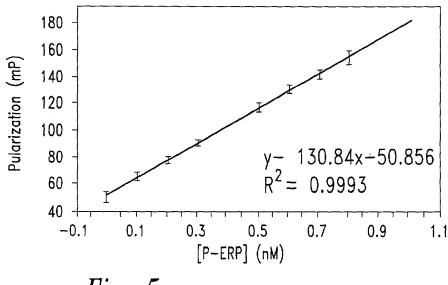


Fig. 5

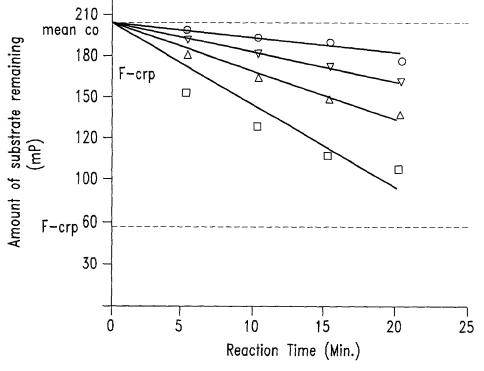
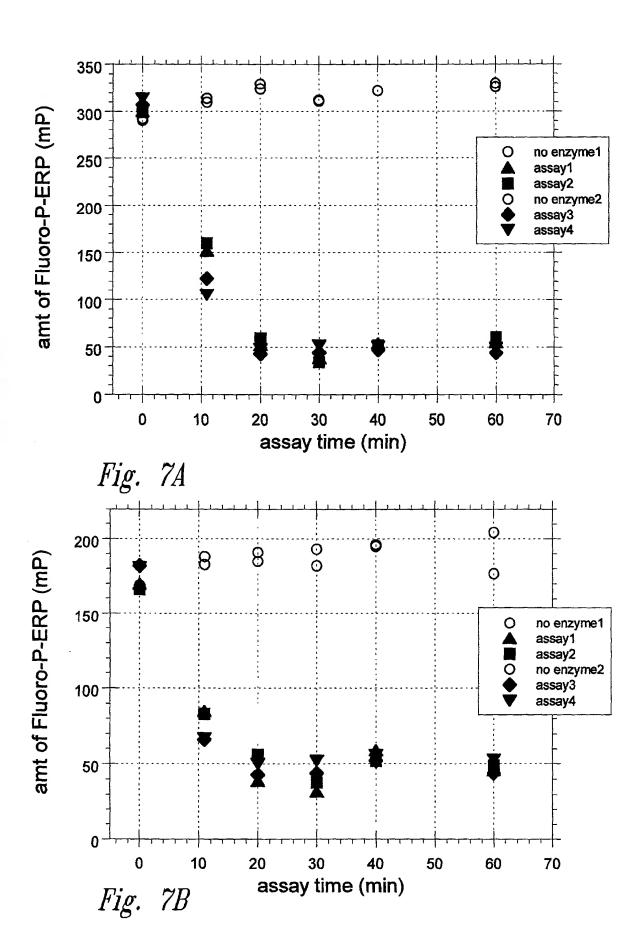
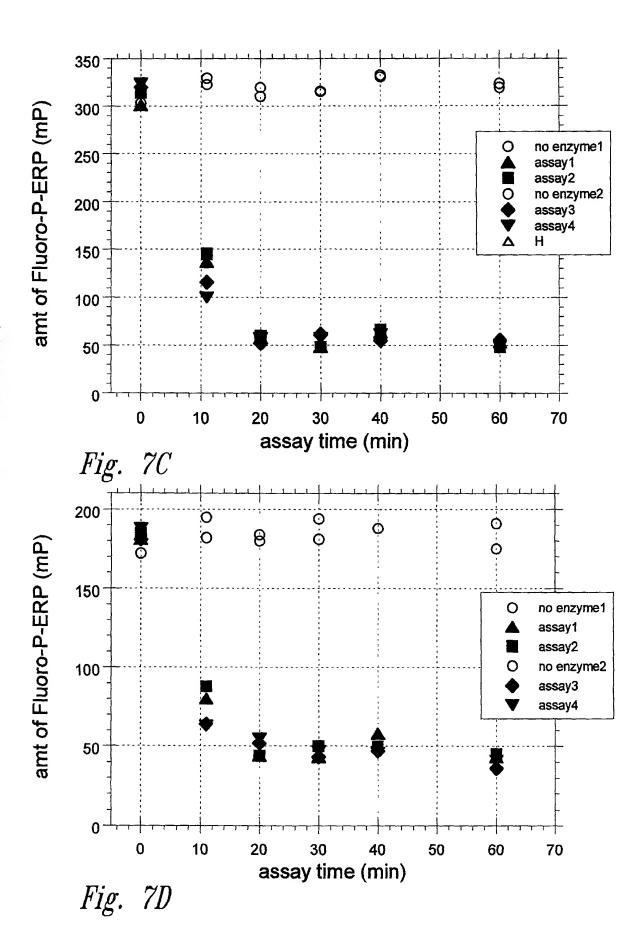


Fig. 6









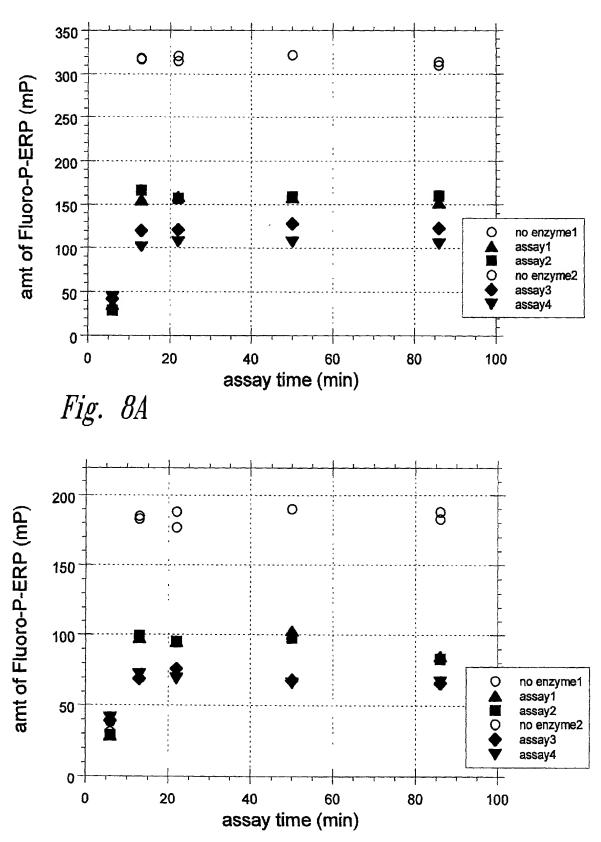


Fig. 8B

8

8

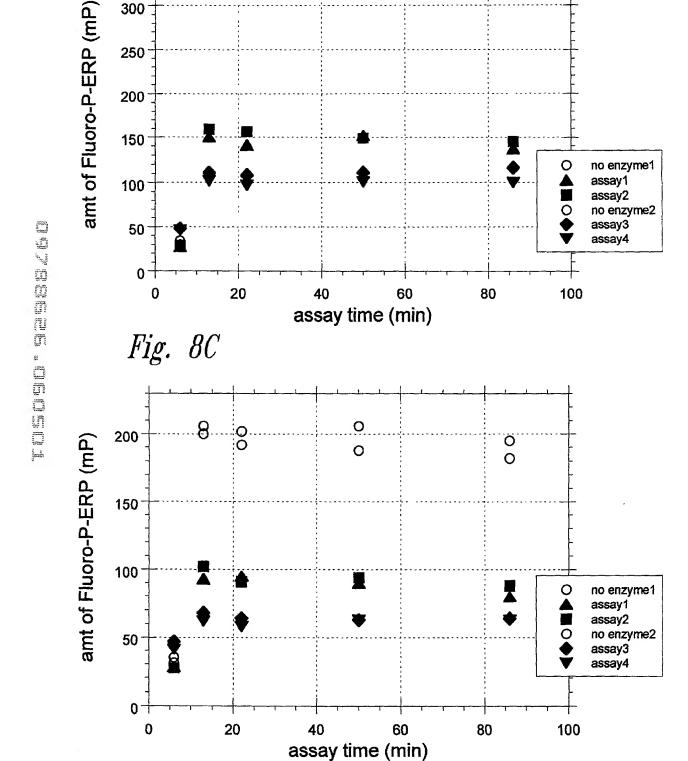
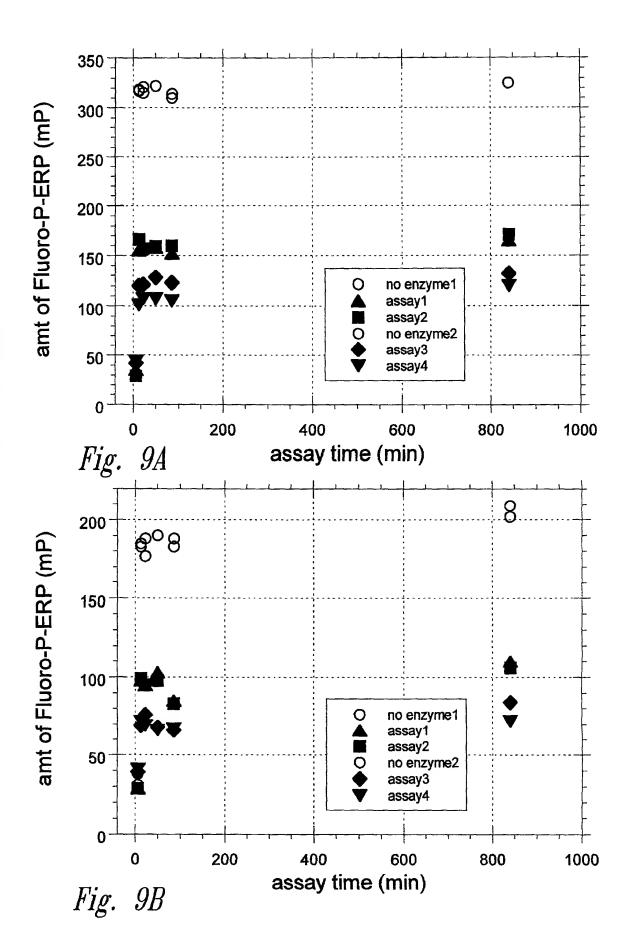


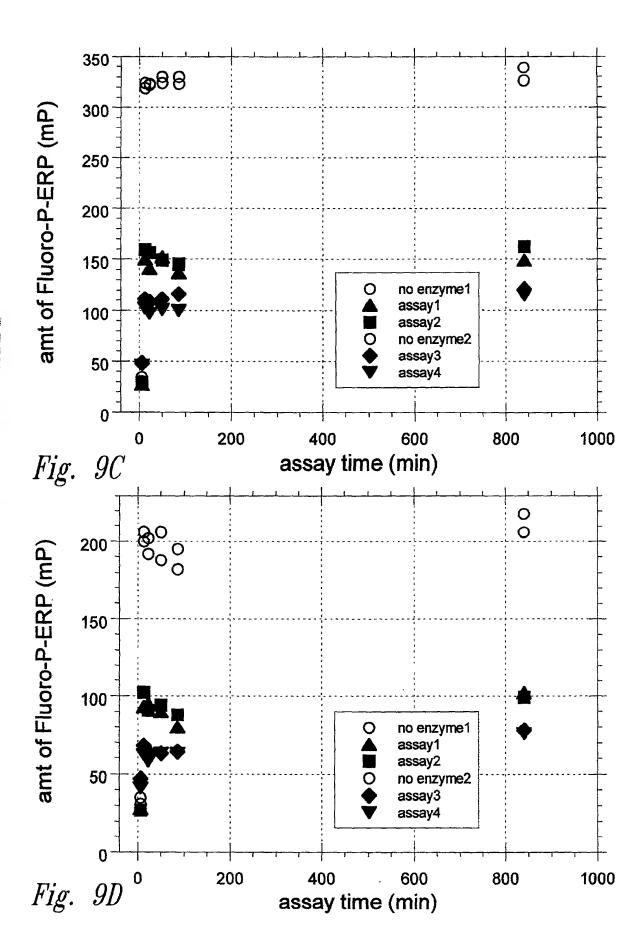
Fig. 8D

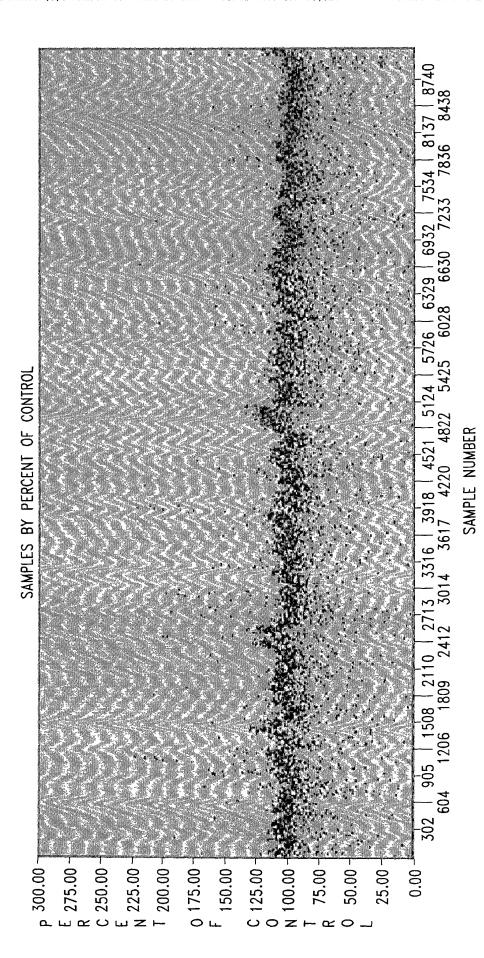
350

8

0









The same that th

The first the state of the stat

